



PREPARED PHOTOGRAPHIC CHEMICALS

INDUSTRIAL-PROFESSIONAL CATALOGUE



THE FR CORPORATION

951 BROOK AVENUE, BRONX, NEW YORK 10451

MORE THAN THREE DECADES OF SERVICE TO THE PHOTOGRAPHIC INDUSTRY

In the field of photochemistry, the FR trademark has been a symbol of persistent pioneering, uncompromising quality and staunch reliability for more than 30 years. Consistently. The FR Corporation has anticipated the needs of the professional, industrial and commercial photographer and darkroom technician. Modern research and development laboratories are maintained at the company's main office and factory, staffed by graduate chemists and technicians with combined photo-chemistry experience totalling over 100 years.

Our reputation has been built by the high consistent quality of our chemicals. All batches are compounded under the supervision of quality control chemists and must be approved prior to being released for packaging. Quality control test procedures are constantly updated to incorporate the latest techniques and equipment available.

All raw materials used in production are of highest quality, and where applicable conform to the requirements of ASA photo specifications.

Our consulting staff and scientists are always available for consideration of special problems.

ORDERING INFORMATION

All orders totaling 200 lbs. or more, shipped freight prepaid to destination.

Orders accepted in full case lots only — no split cases.

Please order by catalogue number.

Prices are subject to change without notice.

Listed prices do not include any sales taxes or other taxes imposed by Federal, State or City governments.

THE FR CORPORATION

Phone: (212) 292-8900

951 Brook Ave., Bronx, N.Y. 10451

INDEX

	PAGE
MAXIMATIC CHEMICALS — FOR MACHINE PROCESSING	
MAXIMATIC X-500 "A" DEVELOPER-REPLENISHER	3
MAXIMATIC X-500 "B" DEVELOPER-REPLENISHER	3
MAXIMATIC X-500 STARTER	3
MAXIMATIC RAPID FIXER WITH HARDENER	8
MAXIMATIC MICROFILM DEVELOPER	5
CINE FILM PROCESSING CHEMICALS	
MAXIMATIC CINE REVERSAL CR 1 — 1st DEVELOPER	7
MAXIMATIC CINE REVERSAL CR 2 — BLEACH	7
MAXIMATIC CINE REVERSAL CR 3 — CLEARING BATH	7
MAXIMATIC CINE REVERSAL CR 4 — 2nd DEVELOPER	7
MAXIMATIC CINE REVERSAL CR 5 — FIXER	7
MAXIMATIC CINE NEGATIVE DEVELOPER-REPLENISHER	7
MAXIMATIC RAPID FIXER WITH HARDENER	8
LITHO & GRAPHIC ARTS PROCESSING CHEMICALS	
SPECIAL FINE DOT VITALITH DEVELOPER POWDERS	6
VITALITH PHOTOMECHANICAL DEVELOPER LIQUID	6
INDUSTRIAL RAPID FIXOL	8
PAPER PROCESSING CHEMICALS	
INDUSTRIAL PAPER DEVELOPER	4
X-TROL HEAVY DUTY PAPER DEVELOPER	4
DEVELOCHROME, DIRECT COLOR TONING DEVELOPER	5
INDUSTRIAL RAPID FIXOL	8
PRO-FIXOL	8
FILM PROCESSING CHEMICALS	
X-100 ALL PURPOSE DEVELOPER	3
X22 COMPENSATING DEVELOPER	4
INDUSTRIAL RAPID FIXOL	8
PRO-FIXOL	8
SPECIAL PROCESSES	
COPY-STAT DEVELOPER-REPLENISHER	5
COPY-STAT FIXER	9
PHOTO TYPESETTING DEVELOPER	5
FIXERS & HARDENERS	
INDUSTRIAL RAPID FIXOL	8
PRO-FIXOL	8
MAXIMATIC CR 5 CINE REVERSAL FIXER	7
MAXIMATIC RAPID FIXER	8
COPY-STAT FIXER	9
HARDENOL, LIQUID HARDENER	9
SHORTCUT—HARDENER—ACIDIFIER, LIQUID	9
SHORTCUT—ACID—HARDENER, POWDER	9
INDICATOR ACID SHORT STOP	9
PROCESSING AIDS	
HYPO EXPELLANT POWDER	10
HYPO NEUTRALIZER	10
WETTING AGENT	10
PRINT FLATTENER	10
PHOTO STAIN REMOVER	10
ALGAECIDE TABLETS	10

DEVELOPERS

FR MAXIMATIC X-500 DEVELOPERS — all liquid systems for automatic machine processing of films in all types of roller transport automatic processors. (Versamat, Pakorol, etc.)

FR MAXIMATIC X-500 "A" AERIAL FILM DEVELOPER-REPLENISHER is an all liquid concentrate containing a unique blend of anti-sludging agents to insure clean-working, long-lasting activity. X-500A is a hardening type developer and may be used for processing at elevated temperatures. The Replenisher is converted to Developer in the processor tank by the addition of X-500 Starter. With proper replenishment technique, uniform results may be expected for the life of the solution.

FR MAXIMATIC X-500 "B" CONTINUOUS TONE DEVELOPER-REPLENISHER is an all liquid concentrate for use in automatic machine processing for continuous tone films. X-500 "B" is a hardening type developer and may be used for processing at elevated temperatures as well as room temperature. The Replenisher is converted to Developer in the processor tank by the addition of X-500 Starter. With proper replenishment technique, uniform results may be expected for the life of the solution.

FR MAXIMATIC X-500 STARTER must be used when preparing a fresh charge of Developer for processor tank. Not to be used when preparing Replenisher.

FR MAXIMATIC RAPID FIXER complete with Hardener is specifically designed for use in automatic equipment. It contains a perfect balance of buffering and anti-sludging agents to insure clean working solution in the machine and excellent resistance toward developer carry-over. The same solution is used as a Replenisher.

FR MAXIMATIC X-500 "A" AERIAL FILM DEVELOPER-REPLENISHER

FR MAXIMATIC X-500 "B" CONTINUOUS TONE DEVELOPER-REPLENISHER

Concentrated liquid packaged in cubitainer sets to make 20 gallons. Each set consists of two cases—one case Part A and one case Parts B & C.

Cat No 204	Type A	Type B
20 gal size	1 set \$41.30 per set	\$34.93 per set
Wt 80 lbs	5 sets 37.56 per set	31.76 per set
	10 sets 35.26 per set	29.82 per set
	25 sets 33.82 per set	28.60 per set

FR MAXIMATIC X-500 STARTER, LIQUID FOR TYPE A AND B DEVELOPERS

See instructions for proper amount to use.

Cat No 206		
6-32 oz Poly bottles per cs	1 cs	\$9.53 per cs
Wt 20 lbs	5 cs	8.67 per cs
	10 cs	8.13 per cs
	25 cs	7.80 per cs

FIXER FOR MACHINE PROCESSING—USE FR MAXIMATIC RAPID FIXER WITH HARDENER CAT NO 221, 222, P 8.

X-100 ALL PURPOSE FILM DEVELOPER, liquid concentrate for all types of film — for every type of exposure.

A unique compromise between acutance and fine grain. A true "all-purpose" developer, X-100 may be used to process all popular films exposed under varying conditions.

X-100 MAY BE USED AS A "ONE-TIME-USE" DEVELOPER.
X-100 OFFERS RAPID DEVELOPING TIMES.

X-100 MAY BE USED TO PROCESS "THIN-EMULSION" FILMS.
X-100 MAY BE USED AS ITS OWN REPLENISHER.

X-100 HAS MAXIMUM RESISTANCE TO OXIDATION.

Simply select, from the instruction sheet, the dilution and developing time most suitable for the film to be processed. Each working strength developer prepared from X-100 concentrate will produce optimum results for the type of processing intended. Available in 1 gallon poly bottles.

Cat No 198		
4-1 gal bottles per cs	1 cs	\$11.25 per cs
Wt 45 lbs	5 cs	10.30 per cs
	10 cs	9.60 per cs
	25 cs	9.25 per cs

FR ONE SHOT X22. The one shot system of film processing originated by the FR Corporation insures uniform results at all times. Concentrated liquid compensating developer for the ultimate in fine grain when used with thin emulsion films. Designed to bring out the maximum shadow detail without blocking up highlights. Professional size (2-8 ounce bottles to a set). Each ounce of concentrate will process two rolls of 35mm or 120 size film.

Cat No 034

6-16 oz per cs	\$17.70 per cs
Wt 12 lbs	

FR INDUSTRIAL PAPER DEVELOPER

A concentrated liquid general purpose paper developer, fortified with a new and unique anti-sludging agent. It is a "neutral-tone" developer, producing blue-blacks with the faster bromide papers, and more neutral or warmer tones with the slower chloride or chlorobromide papers.

Longer tray life, high yield, extra snap, clean whites, rapid processing time.

May be diluted 1:3 for heavy duty work; 1:4 for normal work, or 1:7 for warmer tones and reduced contrast.

Packed 4-5 quart poly bottles per case. Each bottle makes 5 to 10 gallons; or in 5 gallon cubitainer to make 20 to 40 gallons.

Cat No 200

4-5 to 10 gal size per cs	1 cs	\$12.14 per cs
Wt 55 lbs	5 cs	11.04 per cs
	10 cs	10.36 per cs
	25 cs	9.94 per cs

Cat No 201

1-20 to 40 gal size per cs	1 cs	\$8.93 per cs
Wt 53 lbs	5 cs	8.12 per cs
	10 cs	7.63 per cs
	25 cs	7.31 per cs

FR X-TROL HEAVY DUTY INDUSTRIAL PAPER DEVELOPER

This premium concentrated liquid paper developer offers the convenience of a liquid with longer shelf life, tray life, and work life, yielding capacities greater than that of leading powder formulas. Eliminates phenidone degradation; assures you of "factory-fresh" chemicals at all times. Clean working, rapid processing times. Dilutions may be varied if desired.

This divided two container formulation (A and B solutions) permits long time storage even in partially filled bottles, without any loss of developer activity.

New and highly effective preserving and anti-oxidant agents will permit developer to be left in open tray for periods never before believed possible. Formulated to produce maximum work load, X-TROL will yield many times more prints than old fashioned paper developers now in use.

Developing times: 1/2 to 1 1/2 minutes at 68-70°F depending upon the type of paper used.

Superb quality and image tones will be obtained with all photographic papers. Image tones tend from blue-black to neutral black depending upon the papers used.

Packaged 4-1 gallon poly bottles (2 part A and 2 Part B) to make 10 gallons per set, 20 gallons per case. 2-5 gallon cubes per set (1 Part A and 1 Part B) to make 50 gallons.

Cat No 202

2-10 gal size per cs	1 cs	\$18.83 per cs
Wt 55 lbs	5 cs	17.12 per cs
	10 cs	16.07 per cs
	25 cs	15.42 per cs

Cat No 203

1-50 gal size per set	1 set	\$37.60 per set
Wt 106 lbs	5 sets	34.19 per set
	10 sets	32.10 per set
	25 sets	30.79 per set

FR DEVELOCHROME — DIRECT COLOR TONING DEVELOPER

DEVELOCHROME was designed to fill the need for a simple and quick method of making toned photographic prints by direct development. The use of Develochrome eliminates all complicated procedures as well as special developing techniques.

Develochrome is available in RED, YELLOW, BLUE, GREEN, and SEPIA.

Most enlarging or contact papers can be used with Develochrome. Prints will show pure and unstained whites and highlights which hardly could be duplicated by any other toning process.

Full instructions accompany each chemical kit.

6-1 gal size per cs	\$18.00 per cs
Wt 6 lbs	

WHEN ORDERING SPECIFY COLORS. MAY BE ASSORTED.

Red Cat No 161	Green Cat No 162	Blue Cat No 163	Sepia Cat No 164	Yellow Cat No 165
----------------	------------------	-----------------	------------------	-------------------

FR COPY-STAT DEVELOPER-REPLENISHER

For general purpose reproduction work with most films and paper, including photocopy machine papers, engineering, drawing reproduction papers, films and cloths, instrument photo recording paper and films, microfilm projection prints, etc. Renders deep rich blacks and clear whites. Concentrates have excellent shelf life, and working strength solutions are highly resistant to oxidation. Each 1 gallon poly bottle makes 5 gallons of working strength developer, or 4 gallons of replenisher.

Cat No 211

4-5 gallon size per cs	1 cs	\$14.50 per cs
Wt 45 lbs	5 cs	12.95 per cs
	10 cs	12.25 per cs
	25 cs	11.95 per cs

FOR FIXER, USE COPY-STAT FIXER, CAT NO 223, P 9.

FR PHOTO TYPESETTING DEVELOPER

Concentrated liquid for tray or machine processing. High contrast formula for jet blacks on completely fog free backgrounds. Maximum definition eliminates letter spread. May be used for film or paper. May be used at elevated temperatures. Each 5 quart bottle makes 5 gallons.

Cat No 340

4-5 gal size per cs	1 cs	\$15.63 per cs
Wt 59 lbs	5 cs	14.30 per cs
	10 cs	13.49 per cs
	25cs	12.98 per cs

FOR FIXER, USE FR INDUSTRIAL RAPID FIXOL, CAT NO 219 OR 220, P 8.

FR MAXIMATIC MICROFILM DEVELOPER

A concentrated liquid to be used for machine processing of microfilm.

Produces films of extremely low fog levels with excellent image contrast and detail.

Since processing times will vary in accordance with processing equipment and techniques, only ranges are given. Exposure should be controlled so that desired results are obtained with a developing time of 3 to 5 minutes at room temperature. Each 1 gallon bottle makes 5 gallons, each 5 gallon cubitainer makes 25 gallons of solution.

Cat No 207

4-5 gallon size per cs	1 cs	\$15.58 per cs
Wt 48 lbs.	5 cs	14.17 per cs
	10 cs	13.30 per cs
	25 cs	12.76 per cs

Cat No 208

1-25 gallon size per cube	1 cube	\$16.16 per cube
Wt 53 lbs	5 cubes	14.69 per cube
	10 cubes	13.79 per cube
	25 cubes	13.23 per cube

FOR FIXER, USE FR MAXIMATIC RAPID FIXER CAT NO 221 OR 222 P 8.

LITHO & GRAPHIC ARTS PROCESSING CHEMICALS

FR SPECIAL FINE DOT VITALITH DEVELOPER POWDERS

Premium quality—high contrast developer powders. We believe this to be the finest litho developer ever produced. It is specially recommended for screen tints and/or Benday. It produces hard dots, and sharp-clean line copy with maximum contrast and extremely low fog levels. Unique preservatives provide maximum resistance to aerial oxidation allowing full use of each tray of developer with a minimum of exposure adjustment.

Cat No 332

1-25 gal set	1 set	\$23.95 per set
Wt 39 lbs	5 sets	22.60 per set
	10 sets	22.05 per set
	25 sets	21.60 per set

FR VITALITH PHOTOMECHANICAL LITHO DEVELOPER LIQUID

FR liquid Litho Developer concentrate is an extremely concentrated liquid for use with all litho emulsions. Eliminates the necessity of mixing powders, offers extremely long tray life. Yields razor sharp, high contrast copy of maximum density and minimum background fog. Packaged 1 gallon Part A and 1 gallon Part B to make 8 gallons; or 5 gallons Part A and 5 gallons Part B to make 40 gallons.

Cat No 333

1-8 gal size per cs	1 cs	\$9.90 per cs
Wt 22 lbs	5 cs	9.00 per cs
	10 cs	8.40 per cs
	25 cs	8.10 per cs

Cat No 334

1-40 gal size per set	1 set	\$39.60 per set
Wt 106 lbs	5 sets	36.00 per set
	10 sets	34.00 per set
	25 sets	32.40 per set

USE FR INDUSTRIAL RAPID FIXOL FOR ALL LITHO AND PHOTOMECHANICAL PROCESSES, CAT NO 219 OR 220, P 8.

CINE FILM PROCESSING CHEMICALS

FR MAXIMATIC CINE-NEGATIVE DEVELOPER-REPLENISHER is a concentrated liquid formulated for the rapid processing of all types of cine negative emulsions in automatic processors. Optimum results with respect to film speed, grain, gradation and fog levels. Designed as a complete Developer-Replenisher system. Each one gallon poly bottle will make 5 gallons of Developer when used with Starter, or 5 gallons of Replenisher when used without Starter.

STARTER must be used when preparing a fresh charge of Developer for processor tank. Not to be used when preparing Replenisher. 16 ounces of Starter is used to prepare 5 gallons of Developer.

FR MAXIMATIC CINE-NEGATIVE DEVELOPER-REPLENISHER

Cat No 209		
4-5 gal size per cs	1 cs	\$16.79 per cs
Wt 45 lbs	5 cs	15.27 per cs
	10 cs	14.33 per cs
	25 cs	13.75 per cs

STARTER FOR FR MAXIMATIC CINE-NEGATIVE DEVELOPER

Cat No 210	
6-16 oz poly bottles per cs	\$6.60 per cs
Wt 10 lbs	

FIXER FOR FR MAXIMATIC CINE-NEGATIVE DEVELOPER-REPLENISHER, LIQUID:
USE FR MAXIMATIC RAPID FIXER WITH HARDENER, SEE CAT NO 221 OR 222, P 8.

FR MAXIMATIC CINE REVERSAL SOLUTIONS

Specifically designed for automatic processing of all motion picture black and white reversal film. A completely integrated system. Each solution is a highly concentrated liquid formulated to complement the other for maximum speed, efficiency, storage life, and operating life. May be used with all reversal films to produce excellent visual and audio results. Same concentrates are used as replenishers when prepared in accordance with directions. Special sequestering agents clean automatic equipment as they work, sharply reducing sludge and residue.

Available in three sizes:

- Large:**
20 Gal size 5 gallon cubitainer to make 20 gallons of working strength solution. Recommended for large capacity automatic processing machines.
- Medium:**
5 Gal size 5 quart easy to handle, lightweight plastic bottles. Each bottle makes 5 gallons of working strength solution. Recommended for automatic processing machines with tank capacities of 3 gals. to 10 gals.
- Small:**
1 Gal size 1 quart plastic bottles. Each bottle makes one gallon of working strength solution. Recommended for small capacity automatic machines; Cramer, Milsco, etc.; manual tanks, Morse, Nikor, etc.; or for preparation of slides.

CR1 FIRST DEVELOPER

	5 Gal Cube Wt 59 lbs Cat No 871 Per Cs.	4-5 Qt Bottles Wt 59 lbs Cat No 861 Per Cs.	6-1 Qt Bottles Wt 16 lbs Cat No 866 Per Cs.
1 cs	\$17.65	\$17.65	\$9.35
3 cs	16.65	16.65	8.90
5 cs	16.25	16.25	8.60
10 cs	15.90	15.90	8.40

CR2 BLEACH

	Wt 49 lbs Cat No 872	Wt 49 lbs Cat No 862	Wt 15 lbs Cat No 867
1 cs	\$9.15	\$9.15	\$5.00
3 cs	8.65	8.65	4.65
5 cs	8.45	8.45	4.45
10 cs	8.25	8.25	4.40

CR3 CLEARING BATH

	Wt 55 lbs Cat No 873	Wt 55 lbs Cat No 863	Wt 15 lbs Cat No 868
1 cs	\$9.15	\$9.15	\$5.00
3 cs	8.65	8.65	4.65
5 cs	8.45	8.45	4.45
10 cs	8.25	8.25	4.40

CR4 SECOND DEVELOPER

	Wt 59 lbs Cat No 874	Wt 59 lbs Cat No 864	Wt 16 lbs Cat No 869
1 cs	\$17.65	\$17.65	\$9.35
3 cs	16.65	16.65	8.90
5 cs	16.25	16.25	8.60
10 cs	15.90	15.90	8.40

CR5 FIXER, WITH HARDENER

	Wt 64 lbs Cat No 875	Wt 64 lbs Cat No 865	Wt 20 lbs Cat No 870
1 cs	\$15.10	\$15.10	\$8.65
3 cs	14.10	14.10	8.20
5 cs	13.30	13.30	7.90
10 cs	12.50	12.50	7.70

FIXERS, HARDENERS, AND PROCESSING AIDS

FR INDUSTRIAL RAPID FIXOL

An all liquid, highly concentrated, ultra speed, heavy duty fixer for all types of films and papers. A single fixer suitable for all darkroom needs. May be used with or without Hardener to process work in graphic arts, commercial photography, photocopy, and general purpose labs. May also be used for machine processing and photo finishing.

ULTRA RAPID FIXING TIMES. EXHAUST CAPACITY OVER 2 TIMES THAT OF CONVENTIONAL FIXERS. CLEARS FILMS IN UNDER ONE MINUTE. MAXIMUM BUFFERING FOR LONG LIFE. SEPARATE HARDENER FOR VARIABLE DILUTION.

Each gallon of concentrate makes 4 gallons of fixer for film or 8 gallons for paper.

Packed 4-1 gallon poly bottles to a case with 4-12 ounce poly bottles of Hardener (cat no 219), or 1-5 gallon cubitainer without Hardener (cat no 220).

Cat No 219 with Hardener

4-4 to 8 gal size per cs	1 cs	\$16.75 per cs
Wt 67 lbs	5 cs	14.75 per cs
	10 cs	12.40 per cs
	25 cs	11.40 per cs

Cat No 220 without Hardener

1-20 to 40 gal size	1 cube	\$13.55 per cube
Wt 53 lbs	5 cubes	11.75 per cube
	10 cubes	10.85 per cube
	25 cubes	9.95 per cube

HARDENER FOR CUBE SIZE SHOULD BE ORDERED SEPARATELY.
ORDER HARDENOL, CAT NO 218, P 9.

FR MAXIMATIC RAPID FIXER WITH HARDENER

FR MAXIMATIC RAPID FIXER complete with Hardener is specifically designed for use in automatic equipment. It contains a perfect balance of buffering and anti-sludging agents to insure clean working solution in the machine and excellent resistance toward developer carry-over. The same solution is used as a Replenisher.

Packed four 5-qt poly bottles and four 16 oz bottles of Hardener per case. Each bottle makes 5 gallons. Also supplied in sets of one 5-gallon cubitainer and one 64-oz Hardener per set. Each set makes 20 gallons.

Cat No 221

4-5 gal size per cs	1 cs	\$15.10 per cs
Wt 64 lbs	5 cs	13.30 per cs
	10 cs	12.50 per cs
	25 cs	11.75 per cs

Cat No 222

20 gal cube set	1 set	\$14.90 per set
Wt 66 lbs	5 sets	13.10 per set
	10 sets	12.20 per set
	25 sets	11.32 per set

FR PRO FIXOL

Ultra high speed liquid concentrated fixer for all darkroom requirements. Variable dilutions for film, paper, litho, graphic arts film, photocopy, etc. Hardener content may be varied for toning, retouching, paper processing, etc. Available in No. 1 size to make up to 2 gallons (8 sets per case), or, in No. 5 size to make up to 10 gallons (1 set per case).

Cat No 030

1 No 5 size per cs	\$ 4.60 per cs
Wt 15 lbs	

Cat No 031

8 No 1 size per cs	\$11.92 per cs
Wt 28 lbs	

FR COPY-STAT FIXER

A highly concentrated, high speed, non-hardening liquid fixer to be used with FR Copy-Stat Developer. Rapid fixing times. Each 1 gallon poly bottle makes 8 gallons of Fixer.

Cat No 223

4-8 gallon size	1 cs	\$14.35 per cs
Wt 59 lbs	5 cs	11.95 per cs
	10 cs	11.40 per cs
	25 cs	10.40 per cs

IF HARDENER IS REQUIRED ORDER HARDENOL, CAT NO 218.

FR HARDENOL

Concentrated liquid hardener to be used with FR Industrial Rapid Fixol or as an additive hardener for all acid fixing solutions that do not contain a hardening agent. May also be used to increase hardener content of fixing solutions already containing hardener. USE 3 FL. OZ. FOR EACH ONE GALLON OF FILM FIXER OR TWO GALLONS OF PAPER FIXER TO BE PREPARED.

Cat No 218

8-64 oz poly bottles per cs	1 cs	\$12.60 per cs
Wt 50 lbs	5 cs	11.00 per cs
	10 cs	10.20 per cs
	25 cs	9.40 per cs

FR SHORTCUT PREPARED CONCENTRATED STOCK SOLUTION HARDENER-ACIDIFIER

TO PREPARE A HARDENING ACID FIXER F5 TYPE WHEN USED WITH HYPO. For each gallon of Fixer to be prepared dissolve 2 to 3 lbs. of Hypo Crystals or 1¼ to 2 lbs. Anhydrous Hypo in approximately 80 ounces of water, then add one quart of FR Concentrated Liquid Acid-Hardener solution. Bring final volume to 1 gallon.

Packed 4-5 Qt. poly bottles to a case. Each bottle plus Hypo is used to prepare 5 gallons of acid-hardening fixing solution for films and papers.

Cat No 214

4-5 gal size per cs	1 cs	\$7.85 per cs
Wt 55 lbs	5 cs	7.45 per cs
	10 cs	7.25 per cs
	25 cs	7.10 per cs

FR SHORTCUT PRE-COMPOUNDED ACID HARDENER POWDER

To prepare a heavy duty Fixer when used with 3 lbs. of hypo crystals per gallon of fixer to be made. Fixer prepared with Shortcut Powders can be used for all photographic processes where extra long life and tolerance to developer carryover is required. For maximum speed and increased life, add ½ lbs. of ammonium sulfate to each gallon of fixer prepared.

Cat No 215

12-5 gal size per cs	1 cs	\$15.15 per cs
Wt 51 lbs	3 cs	13.90 per cs

Cat No 216

1-25 gal size per cs	1 cs	\$ 4.70 per cs
Wt 100 lbs	6 cs	4.30 per cs

Cat No 217

1-50 gal size per cs	1 cs	\$ 7.50 per cs
Wt 195 lbs	4 cs	6.90 per cs

FR INDICATOR ACID SHORT STOP

Highly concentrated, this precisely balanced indicating Short Stop will prolong the life and efficiency of your fixer. It halts developer action instantly and prevents staining. Diluted 1:40, the solution will handle hundreds of prints. Actual life varies with strength of the developer and amount of carry-over. Exhaustion point is shown by color change from yellow to purple. Exhausted Short Stop may be regenerated by adding sufficient amount of concentrate to change color back to yellow. A 1:20 dilution makes an excellent Short Stop for Graphic Arts and X-Ray film.

Cat No 213

12-26 oz bottles per cs	1 cs	\$12.60 per cs
Wt 28 lbs	5 cs	10.85 per cs
	10 cs	10.50 per cs
	25 cs	9.45 per cs

HYPO EXPELLANT POWDER

An economical wash aid for photographic films and papers. Greatly reduces washing time and increases permanency of films and papers. Each unit may be dissolved to make 50 gallons of working strength solution or 10 gallons of stock solution. The stock solution is diluted 1:4 for use.

Cat No 225

4 units per cs	1 unit	\$16.95 per unit
Wt 53 lbs	3 units	15.45 per unit
	10 units	14.95 per unit
	25 units	14.50 per unit

FR HYPO NEUTRALIZER

Removes residual hypo from prints and films. FR Hypo Neutralizer will reduce print and negative wash times from hours to minutes, and eliminate discoloration and staining due to the presence of residual hypo. Highly concentrated liquid. Each 1 gallon bottle will make 10 gallons of working solution.

Cat No 224

4-1 gal poly bottles per cs	1 cs	\$ 8.38 per cs
Wt 45 lbs	5 cs	7.62 per cs
	10 cs	7.15 per cs
	25 cs	6.86 per cs

FR WETTING AGENT

FR Wetting Agent is a concentrated liquid designed specifically for use with photographic materials. Eliminates all danger of water spots on negatives. Film will drain evenly and quickly. Simplifies ferrotyping of prints.

FR Wetting Agent is a highly concentrated solution, being diluted with 200 parts of water for use.

This solution may also be used in conjunction with the cleaning of darkroom equipment such as glassware, trays, darkroom sinks, and other hard surface equipment.

Cat No 227

12-26 oz bottles per cs	\$12.35 per cs
Wt 28 lbs	

FR PRINT FLATTENING SOLUTION

For color and black and white. Minimizes curl, preserves flexibility of prints. As a ferrotype aid it will prevent the unwanted lifting of prints from plates. Prevents curling and excessive drying out of emulsions. Highly concentrated—each gallon bottle makes up to 20 gallons of solution.

Cat No 226

4-1 gallon poly bottles per cs	1 cs	\$22.30 per cs
Wt 45 lbs	5 cs	20.28 per cs
	10 cs	19.04 per cs
	25 cs	18.26 per cs

PHOTO STAIN REMOVER

Removes fixer and developer stains from clothes or uniforms. Apply stain remover to stain and allow a slight amount of time for action to take place. You can actually watch stain disappear. Safe for nylon, dacron, rayon, cotton, and most other fabrics. Packaged in 4-ounce poly bottles.

Cat No 228

6-4 oz poly bottles per cs	\$6.20 per cs
Wt 4 lbs	

ALGAECIDE TABLETS

Effectively eliminates slime and algae from wash water. Tablets individually packaged in cotton bags which are dropped into wash tank. As tablet slowly dissolves the algaecide is dispersed throughout the wash tank.

Cat No 229

Box of 50	\$9.25 per box
Wt 5 lbs	



PREPARED PHOTOGRAPHIC CHEMICALS

INDUSTRIAL-PROFESSIONAL CATALOGUE



THE FR CORPORATION

951 BROOK AVENUE, BRONX, NEW YORK 10451

MORE THAN THREE DECADES OF SERVICE TO THE PHOTOGRAPHIC INDUSTRY

In the field of photochemistry, the FR trademark has been a symbol of persistent pioneering, uncompromising quality and staunch reliability for more than 30 years. Consistently. The FR Corporation has anticipated the needs of the professional, industrial and commercial photographer and darkroom technician. Modern research and development laboratories are maintained at the company's main office and factory, staffed by graduate chemists and technicians with combined photo-chemistry experience totalling over 100 years.

Our reputation has been built by the high consistent quality of our chemicals. All batches are compounded under the supervision of quality control chemists and must be approved prior to being released for packaging. Quality control test procedures are constantly updated to incorporate the latest techniques and equipment available.

All raw materials used in production are of highest quality, and where applicable conform to the requirements of ASA photo specifications.

Our consulting staff and scientists are always available for consideration of special problems.

THE FR PATENTED ELECTRONIC SEAL FOR PLASTIC BOTTLES

As a result of over 5 years of development work, The FR Corporation was granted Patent 2,937,481 describing a unique method for the sealing of plastic bottles, a constant problem with respect to leakage and spoilage of liquid chemicals.

This sealing method is now incorporated into all production lines where applicable, to insure you of factory fresh, tamper proof chemicals, hermetically sealed for your protection. Actual field test studies have shown complete elimination of developer-oxidation, formerly caused by ever-so-slight loosening of caps on plastic bottles.

Our exclusive sealing method incorporates high temperature induction heating in conjunction with a multi-laminate plastic seal, and will withstand excessive amount of "wear and tear" created by modern day shipment handling.

All items that are supplied in cubitainers can be dispensed pouring directly from the cube or by use of a faucet. Chemical resistant plastic faucets can be supplied at \$2.00 each.

Copy-Stat, Develochrome, FR, Hardenol, Maximatic, One Shot, Rapid Fixol, Shortcut, Vitalith, X-Trol, X-22, X-100, X-500 are trademarks of the FR Corporation.

951 Brook Avenue

THE FR CORPORATION

Bronx, N. Y. 10451

